

Title (en)  
REFRIGERATOR AND CONTROL METHOD THEREOF

Title (de)  
KÜHLSCHRANK UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)  
RÉFRIGÉRATEUR ET SON PROCÉDÉ DE COMMANDE

Publication  
**EP 3685708 A1 20200729 (EN)**

Application  
**EP 20156873 A 20170103**

Priority  
• KR 20160001292 A 20160105  
• EP 17150125 A 20170103

Abstract (en)  
Provided are a refrigerator and a control method thereof. The refrigerator is characterized by enabling at least a part of a refrigerator door (40, 50) to be selectively transparent by a user's operation, such that the user sees through an inside of the refrigerator while the refrigerator door (40, 50) is closed.

IPC 8 full level  
**A47F 3/04** (2006.01); **F25D 23/02** (2006.01); **F25D 27/00** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)  
**A47F 3/0434** (2013.01 - EP); **B29C 44/18** (2013.01 - US); **F21V 3/00** (2013.01 - US); **F21V 19/003** (2013.01 - US); **F21V 23/0442** (2013.01 - US); **F25D 11/02** (2013.01 - US); **F25D 23/02** (2013.01 - US); **F25D 23/028** (2013.01 - EP US); **F25D 27/005** (2013.01 - EP US); **F25D 29/005** (2013.01 - EP US); **G03B 29/00** (2013.01 - US); **H05B 47/115** (2020.01 - EP US); **H05B 47/16** (2020.01 - US); **F21W 2131/305** (2013.01 - US); **F21Y 2115/10** (2016.08 - US); **F25D 2201/126** (2013.01 - US); **F25D 2323/021** (2013.01 - EP US); **F25D 2323/023** (2013.01 - EP US); **F25D 2323/024** (2013.01 - EP); **F25D 2327/00** (2013.01 - US); **F25D 2400/36** (2013.01 - EP US); **F25D 2400/361** (2013.01 - EP US); **F25D 2700/00** (2013.01 - EP); **F25D 2700/04** (2013.01 - EP US); **Y02B 20/40** (2013.01 - EP)

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3190365 A1 20170712**; **EP 3190365 B1 20200401**; EP 3685708 A1 20200729; EP 4111913 A1 20230104; KR 101810760 B1 20171219; KR 20170082092 A 20170713; US 10119751 B2 20181106; US 10598427 B2 20200324; US 11709017 B2 20230725; US 11859900 B2 20240102; US 2017191745 A1 20170706; US 2019032994 A1 20190131; US 2020173716 A1 20200604; US 2023079218 A1 20230316; US 2024085099 A1 20240314

DOCDB simple family (application)  
**EP 17150125 A 20170103**; EP 20156873 A 20170103; EP 22186816 A 20170103; KR 20160001292 A 20160105; US 201715399161 A 20170105; US 201816146522 A 20180928; US 202016784689 A 20200207; US 202217987461 A 20221115; US 202318514238 A 20231120